





12

C.4.

Vitamin-rich preparation from haws. István Eigner
Hung. 186,450, May 18, 1948. Dried and powdered
haw 200 g. is treated with 1 l. 10% invertase soin. of a pH
value of about 6.0 at 50-60°, made up to purée, and filled into
bottles or jars. Content of ascorbic acid is 12-15%
higher than in products made up with water without in-
vertase. István Finlay

TOP SECRET 13

EGGERT, K.

Potable and industrial water supply in the industrial area of Central Germany. Tr. from the German. p. 42. SBORNIK. Praha. (Journal issued by the Czechoslovak Geographical Society; with English and Russian summaries. Quarterly) Vol. 60, no. 1, 1955

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 4, no. 12, December 1955

EGGERT, M.B.

*Feed of the Sorokskaya Bay herring. Zool. zhur. 32 no. 3:490-494 My-Je '53.
(MLRA 6:6)*

1. Karelo-Finskoje otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo in-
stituta osernogo i rechnogo rybnogo khozyaystva. (Sorokskaya Bay--Herring)

EGGERT, M.B.

Plankton of Lake Il'men'. Trudy Gidrobiol. ob-va 11:82-104 '61.
(MIRA 15:1)

1. Limnologicheskiy institut Sibirskogo otdeleniya AN SSSR, pos.
Listvenichnoye Irkutskoy oblasti.
(Il'men', Lake--Plankton)

EGGERT, T.

Journal of the Iron and Steel Institute
Vol. 176
Apr. 1954
Miscellaneous

Correction Tables for Flow Measurement with Differential Pressure Meters. T. Egger (Technik, 1953, No. 5).
Formulas for different types of flowmeter are given according to DIN standards, are quoted and correction tables, graphs, and nomograms are quoted for gases and liquids, which allow for pressure variations and moisture content. The use of the data is discussed with reference to instrument precision and approximations commonly used are critically examined.

EGGERT, ZINAIDA KARLOVNA

EGGERT, Zinaida Karlovna, Academic degree of Doctor of Historical Sciences, based on her defense, 21 March 1955, in the Council of the Inst of History Acad Sci USSR, of her dissertation entitled:
"Struggle of classes and parties in Germany during World War I August 1914-October 1917."

For the Academic Degree of Doctor of Sciences.

Byulleten' Ministerstva Vysshego Obrazovaniya SSSR, List No. 8, 14 April 1955
Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

JPRS 512

Ehidis, B.M.

25487
S/021/61/000/005/006/012
D215/D304

26.2/91

AUTHORS: Didkovs'kyy, M.M., and Ehidis, B.M.

TITLE: On the oscillations of an elastically fixed sphere
in a liquid flow

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 5,
1961, 612 - 615

TEXT: The authors state that it is well-known that a body elastically supported in a flow of liquid will start to oscillate about its equilibrium position. In addition to this transverse oscillation, the author's experiments show that longitudinal oscillations may also arise. The flow is investigated by a sensor consisting of a small sphere on the end of a metal rod which is connected at the other end to two mutually perpendicular elastic laminae, each of which is connected to a tenso-sensor. The deformation of the laminae is proportional to the displacement of the sphere. By an electric oscillograph, two simultaneous oscillograms may be obtained,

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On the oscillations of ...

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D215/D304

giving the longitudinal and transverse oscillations of the sphere. By using laminae of different flexibility, and by making the sphere of materials of a different specific gravity, different frequency oscillations may be obtained for spheres of the same weight. Fig. 2 shows graphically the relationship between ratio (do maximum) of the amplitude of the longitudinal and transverse oscillation spheres having various diameters with various proper frequencies and the Struhal numbers - the relationship between the speed of flow and the product of the diameter of the sphere and its proper frequency. It is evident that the oscillation always occurs with the frequency very close to the proper frequency of the system. The resonance nature of the longitudinal oscillations is evident from their curve. For some known diameter and proper frequency, oscillations begin with Struhal number $St = 1.3 - 1.4$, and reach the maximum amplitude with $St. = 2.0$. Transverse oscillations always appear with the Struhal number close to twice as great as that where the longitudinal oscillations begin, i.e. at $St = 2.8 - 3.0$. This indicates that the transverse oscillations arise from a grea-

Card 2/4

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D215/D304

On the oscillations of ...

ter velocity of flow, when the flow has more kinetic energy, part of which is converted into the energy of oscillations of the auto-oscillatory system. The self-excitation may be hard as well as soft, and investigation of the hard self-excitation shows that the transverse oscillations are auto-oscillations and not merely forced oscillations in the resonance region. In conclusion, the authors mention the significance of this work for the sensor of instantaneous velocity developed by the Institute of Hydrology and Hydraulics of the AS UkrSSR, the receiving element of which is a sphere. There are 3 figures and 4 Soviet-bloc references.

ASSOCIATION: Instytut hidrolohiyi ta hidrotekhnikiy AN URSR (Institute of Hydrology and Hydraulics, AS UkrSSR)

PRESENTED: H.Y. Sukhomel, Member AS UkrSSR

SUBMITTED: July 29, 1960

Card 3/4

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412010015-7

EGIEJMAN, Bolesław:(Mgr. Engr.):

Termodynamika Techniczna, (Technical Thermodynamics),, PZWS, Warsaw, 1948, and 1951.

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412010015-7"

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412010015-7

Boleslaw EGIEJMAN & Tadeusz EGIEJMAN.:

Chłodnictwo. (Refrigeration). Państwowe Wydawnictwa Szkolnictwa Zawodowego, Warsaw, 1951.

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412010015-7"

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412010015-7

EGIEJMAN, Boleslaw ^{Mgr. Engr.} & EGIEJMAN, Tadeusz, (Mgr. Engr.)

Chłodnictwo. (Refrigeration). Państwowe Wydawnictwa Szkolnictwa Zawodowego, Warsaw, 1951.

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412010015-7"

JANCZEWSKI, Marian; WOJTAS, Maria; EGIER, Salomea

Studies on the influence of molecular structure upon the optic properties of sulphinyl compounds. VI. Biphenylsulphinylacetic acids. VII. 1,2-bromonaphthylosulphinylacetic acids. Rocznik chemii 35 no.4: 115-1161 '61.

1. Zaklad Chemii Organicznej, Uniwersytet M. Curie-Sklodowskiej, Lublin.

JANCZEWSKI, Marian; EGIER, Salomea

Studies on the influence of the molecular structure on the optical properties of sulfinyl compounds. Pt. 14. Rocznik chemii 37 no.6: 647-658 '69.

1. Katedra Chemii Organicznej. Uniwersytet im. Marii Curie-Sklodowskiej, Lublin.

POLAND

EGIERSZDORFF, Irena [Affiliation not given]

"The Decree on Toxic Substances."

Warsaw, Farmacja Polska, Vol 19, No 13-14, 25 Jul 63, pp
287-288

Abstract: Author reports on proposed law worked out by the Ministry of Health and Social Security (Ministerstwo Zdrowia i Opieki Społecznej) for the control of poisons -- a badly needed law, since protection against poisons has been based since the war mostly on tradition, the last two laws having been passed in 1844 and 1924. The law has seven provisions covering the listing of poisons and harmful substances, records to be kept of these, procedure of inspection organs, extension of poison provisions to ethyl ether, regulation of poisonous substances which may be acquired without special permission by industrial enterprises, laboratories, and schools, regulations covering importation of such substances, and regulations covering the proper labeling of poisonous substances. Two lists are being contemplated: A -- for poisons, and B -- for harmful substances. Provisions are discussed. There are no references.

1/1

EGILAN, G.M., Dots.

Experience with rhinoplasty with Filatov's flap applied according to
F. M. Khitrov's method. Khirurgiia, Sofia 11 no.4:320-324 1958.

1. Zav. katedrata: prof. I. Kh. Gevorkian. Visch meditsinski institut -
Erevan katedra po bolnichna khirurgiia.

(NOSE, surgery.
rhinoplasty, Filatov's flap in Khitrov's modification (Bul))

EGILIAN, G.M.

Restoration of total defects of the lower lip with Filatov's flap.
Khirurgiia, Sofia 11 no.8:702-703 1958.

1. Vissn meditsinski institut - erezan katedra po bolnichna khirurgiia
Zav. katedrata: prof. I. Kh. Gevorkian.

(LIPS, surgery,

plastic reconstruction with Filatov's flap (Bul))

(SKIN TRANSPLANTATION,

Filatov's flap in lower lip reconstruction (Bul))

KARLINSKAYA, M.I., kand.tekhn.nauk; EGIL'SKIY, I.S., inzh.

Computer for calculating and analyzing water supply systems.
Vod. i san. tekhn. no.1:8-12 Ja '62. (MIRA 15:6)
(Calculating machines) (Water--Distribution)

TER-KARAPETYAN, M.A., AKOPYAN, B.A., EGINYAN, O.S.

Studying the carbohydrate fractions of plant tissues with the
aid of paper chromatography. Izv. AN Arm. SSR, Biel. i sel'khoz. nau-
ki 9 no.11:27-34 N°56. (MIRA 10:1)

1. Botanicheskiy institut Akademii nauk Armyanskoy SSR i Institut
zhivotovedstva Ministerstva sel'skogo khozyaystva Armyanskoy SSR.
(Chromatographic analysis) (Plant cells and tissues)
(Monosaccharides)

EGIRSKIY, CH. I. (Engr.)

EGIRSKIY, CH. I. (Engr) -- "INVESTIGATION OF THE PROPERTIES OF SURFACE LAYERS OF RECONDITIONED PARTS IN CONNECTION WITH THE SELECTION OF RATIONAL MEANS OF REPAIR." SUB 19 JAN 52, MOSCOW MOTOR VEHICLE AND ROAD INST IMENI V. M. KOLOTOV (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

18(5), 25(5)

SOV/128-59-4-17/27

AUTHORS: Volkovich, A.I., and Egiz, B.I., Engineers

TITLE: Increasing Productivity of Cupolas

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 4, p 37 (USSR)

ABSTRACT: In the Rostov Radiator Plant, cupolas with a capacity of 7 tons were provided with water cooling, which lifted their output to 11 tons per hour. A further increase of production was effected by a reconstruction of the lower part of the cupola shaft. The diameter of the melting belt was enlarged to 1,590 mm. Since the upper part of the shaft could not also be widened, it was connected with the lower part by a conical transition. During operation with water cooling cracks formed at the welds and especially at the joints of the tuyere connections. Therefore, they received a brick cover on the bottom. For cupolas with high output, stones are used which are welded to four girders. The floor doors were welded together with cross bracings. When the production of the cupola was raised, the distribution of the melted iron became

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Increasing Productivity of Cupolas

SOV/128-59-4-17/27

difficult. Since the metal is let out too frequently, it is not possible to close the tap hole with clay plugs. Steel poles were therefore used for this purpose, or the flow was "chopped off". This was done with a tipping trough which was put under the outlet. There are 5 diagrams.

Card 2/2

BRYUKOV, Vladimir Stepanovich; EGIZ, V.I., inzh.-polkovnik, kand. tekhn. nauk, red.; TOLOSHCHOPOV, I.M., red. izd.-va; KOCHOVALOVA, Ye.K., tekhn. red.

[Use of armor in war] Primenenie broni v voennom delle. Moskva, Voen.izd-vo M-va oborony SSSR, 1961. 98 p. (MIRA 14:11)
(Armor-plate) (Tanks (Military science))

EGIZ, V.I.

Determination of the hardness of plastic materials by means of
Rockwell and Brinell model testers. Plast.massy no.4:57-61.'61.
(MIRA 14:4)

(Plastics—Testing) (Hardness)

EGIZ, V.I.

Relationship between the limit of shearing strength and the hardness of steel. Zav.lab. 28 no.8:978-981 '62. (MIRA 15:11)
(Steel—Testing) (Shear (Mechanics)) (Hardness)

$\text{Fe}^{+2} = \text{Fe}^{+2}/\text{Fe}^{+2} + \text{Fe}^{+2}/\text{Fe}^{+2}$ and $\text{Fe}^{+3} = \text{Fe}^{+3}/\text{Fe}^{+3} + \text{Fe}^{+3}/\text{Fe}^{+3}$

TITLE: Plastic and strength characteristics of glass textorites

SOURCE: Plasticheskiye massy*, no. 11, 1964, 53-60

1,4-phenol-formaldehyde resin, epoxypheophenone resin.

TOPIC TAGS: glass textolite, phenol-formaldehyde resin, epoxy resin, textolite elasticity / KAST-V laminate

The process of strain development in textolites with polymer binders was studied. Experiments on samples of KAST-V laminates showed that the experimental angles and values of the strains measured by the strain gauge method differed from those measured by the optical method. The calculated and found values amounts to 10-15%. It is recommended for measuring the strain before the breaking of flat textolites: for flat samples, the strain is measured with a device of the lathe type; for cylindrical samples (with a minimum diameter of 4 mm turned on a lathe), it is measured on a machine with an automatic recorder for registering stress diagrams. The sheet laminates investigated were based on phenol-formaldehyde and epoxyphenol binders with different textures. The plastic characteristics of the cylindrical samples almost agreed with those of flat

L 15702-65
ACCESSION NR: AP4048212

L 15402-65
ACCESSION NR: AP4048212

elongation showed that the strength is more stable than elongation and that both elongation and scattering give great scattering over the range of 3-50%. Elongations are used to evaluate pipe strength with respect to circumferential stresses and longitudinal and tangential stresses. Strength is evaluated at 100% of the屈服强度.

SEARCHED: none

SUBMITTED: 00

ENCL: 00

SUB CODE: KT

NO REF Sov: 005

OTHER: 002

Card 3/3

EGIZ, Yu. I., inzh.

Use of automatic control, telemechanics and communications in rail-
road traffic of iron and steel plants. Biul. TSNIICHM no.3:60-66
'58. (MIRA 11:5)

(Railroad, Industrial)

SAIMANIS,A.; VEVERS,A.; EGLE, A., red.; MIRONOV,S., tekhn. red.

[How to select efficient combinations of tractors and agricultural machinery] Ka izveleties traktoru un lauksaimniecibas masinu racionalu sistemu. Riga, Latvijas Valsts izdevnieciba, 1959. 74 p.
(MIRA 14:12)

(Agricultural machinery)

FREIBERGS, L.; EGLE, A., red.; CAKSS, J., tekhn. red.

[Latvian blackhead sheep are good meat producers] Latvijas
tumsgalvu aitas - labas galas razotajas. Riga, Latvijas
Valsts izdevnieciba, 1961. 37 p. (MIRA 15:3)
(Latvia—Sheep breeds)

SHTEYNBERG, Abram Samoylovich; EGLE, B., red.

[Sheet metal work in the radioelectronic equipment industry] Listovaia shtampovka v radioelektronnoi promyshlennosti. Riga, Latviiskoe gos. izd-vo, 1964. 54 p.
(MIRA 18:1)

EGLE, Laszlo; HARTYANYI, Istvan

Application of plastic materials on railway vehicles. Jarmu mezo gap
6 no.6:173-177 '59.

EGLE, László

Use of plastic materials at railroad cars. Jármi mezo
gep 8 no.10:368-373 0 '61.

1. Kozlekedes- es Postaúgyi Miniszterium I. Vasuti Fösztaly;
MAV műszaki fotanacsos.

HUNGARY

EGLER, Laszlo, TOTH, Margit; Medical University of Budapest, Microbiological Institute (Budapesti Orvostudomanyi Egyesem Mikrobiologiai Intezete).

"A Test for the Cytochrome Oxidase System Based on the 'Nadi' Reaction by Means of a Filter Paper Micromethod."

Budapest, Kiserletes Orvostudomany, Vol XV, No 3, June 1963, pp 329-332.

Abstract: [Authors' German summary] A dry filter paper method was developed for the determination of the cytochrome C-cytochrome oxidase system. The method is based on the "Nadi" reaction. The filter paper is soaked in an alcoholic solution of α -naphthol and diethyl-p-phenylene diamine. After drying, a sample of the 24-hour culture of the bacterium, grown on simple agar, is applied on the paper. A blue color indicates positive results. 1728 different strains of bacteria have been examined for the presence of the cytochrome C-cytochrome oxidase system by this method. The method is suited for testing of large series of bacteria, its sensitivity is greater than that of other methods described in the literature. 2 Hungarian, 9 Western references.

1/1

EGLI, I.Yu.
USSR/Mathematics - Approximations errors

FD-1428

Card 1/1 : Pub. 64 - 6/9

Author : Myshkis, A. D. (Minsk), and Egle, I. Yu. (Riga)

Title : Evaluation of the error in the method of successive approximations

Periodical : Mat. sbor., 35 (77), pp 481-500, Nov-Dec 1954

Abstract : The authors state the conditions necessary that a general evaluation of the accuracy of any approximate method be effectively applicable to concrete cases. They note that the defect of tediousness in approximate evaluations of error is peculiar to many original methods; e.g. in the text of L. V. Kantorovich and V. I. Krylov, Priblizhennyye metody vyshego analiza [Approximate methods of higher analysis], Moscow-Leningrad, State Technical Press, 1949. Five references, 3 German.

Institution :

Submitted : November 22, 1953

EGLE, K.; JAUGIETS, V.; BREMPLE, A.

GENERAL

PERIODICALS: VESTIS, NO. 6, 1958

EGLE, K. ; JAUGIETS, V., BREMPLE, A. Index of Latvian periodicals; material for the third volume of Latviesu rakstniecibas raditais (Index of Latvian Literature). p. 149.

Monthly list of East European Accessions (EEAI) LC, VOL. 8, No.2
February 1959, Unclass.

EGLE, K.; ANSABERG, I.

Sergeev-Tsenskii and Soviet Latvia. In Russian. *Vestis Latv ak*
no.5:181-187 '60. (EEAI 10:7)
(Sergeev-Tsenskii, Sergei Nikolaevich)
(Russian fiction--History and criticism)

DENES, Zsuzsanna, dr.; MGLER, Laszlo, dr.

On the vaginal presence of Trichomonas. Magy.noorv.lap. 20
no.6:348-350 N '59.

1. Munkakepessegcsokkenest Velemenyezo Orvosi Bizottsagok
(Központi vezeto orvos: Schindler Frigyes dr.) Laboratoriumnak
(Orvos: Denes Zsuzsanna dr.) kozlemenye.
(TRICHOMONAS INFECTIONS)
(VAGINA dis)

DENES, Zsuzsanna, dr. (Budapest, VIII. Mezo Imre ut 19/b II.e.75); EGLER,
Laszlo, dr. (Budapest, VIII. Mezo Imre ut 19/b II.e.75.); IRAS, Jeno,
dr., orszagos igasgato

The significance of peroxidase enzyme in "senectus precox". Biol kozl
9 no.1:97-102 '61.

1. A Munkakepessegcsokkenest Velemenyezo Orvosi Bisottsagok
Laboratoriuma.

DENES, ZSUZSA, DR.; EGLER, Lasslo, dr.; HAGEDORN, Jolan, dr.

Quantitative evaluation of Ehrlich's aldehyde reaction after loading. Orv.hetil. 101 no.50:1775-1777 11 D'60.

1. Munkaképessegcsökkenést Velemenyező Orvosi Bizottságok
Belbizottsága és Laboratorium.
(LIVER FUNCTION TESTS)

EGLER, László

A biochemical micromethod for group determination of Enterobacteriaceae.
Kiserl. orvostud. 13 no.6:660-664 D '61.

1. Budapesti Orvostudományi Egyetem Mikrobiológiai Intézete.

(BACTERIA)

EGLER, Laszlo; TOTH, Margit

Micromethod to demonstrate acetyl methyl carbinol production as well
as citrate use in bacteria. Kiserl. orvostud. 14 no.4: 388-391 S '62.

1. Budapesti Orvostudomanyi Egyetem Mikrobiologiai Intezete.
(CITRATES) (INTESTINAL MICROORGANISMS) (KETONES)

EGLER, Laszlo; TOTH, Margit

Demonstration of cytochrome-oxidase system based on the
"nadi" reaction by a filter-paper micromethod. Kiserl.
orvostud. 15 no. 3:329-332 Je '63.

1. Budapesti Orvostudomanyi Egyetem Mikrobiologiai Intezete.
(CYTOCHROME OXIDASE) (BACTERIA) (NAPHTHALENES)
(ANILINE COMPOUNDS) (INDICATORS and REAGENTS).

L 37798-66 T JK
ACC NR: AP6028462

SOURCE CODE: HU/0018/66/000/003/0285/0290

AUTHOR: Zalay, Laszlo; Gyarmati, Istvan; Egler, Laszlo

ORG: Human Institute of Vaccine Production and Research, Budapest (Human
Oltoanyagtermelo es Kutato Intezet); Institute of Microbiology, Medical University
of Budapest (Budapesti Orvostudomanyi Egyetem, Mikrobiologiai Intezet)

TITLE: Testing of more recent antibiotics using the paper disk method

SOURCE: Kiserletes orvostudomany, no. 3, 1966, 285-290

TOPIC TAGS: antibiotic, chemotherapy, bacteriology, medical research

ABSTRACT:

The study was conducted in an attempt to provide a general picture of the sensitivity studies carried out using the more recent antibiotic and chemotherapeutic compounds available in Hungary. The study was necessitated by the ever increasing number of antibiotics and also of the resistant bacterial strains. Disks containing Methicillin, Oxacillin, Pyostacin, Rovamycin, Oleandomycin, Sigamycin, Novibiocin, Xanthomycin, Chlorosan, Kanamycin, Vancomycin, Furadantin and Quino-septyl were used for the study. On the basis of the results obtained, it is the wish of the authors to provide some help in evaluating of antibiotic sensitivity tests using the disk method and in realization of planned antibiotic therapy. Orig. art. has: 2 figures and 1 table.

[JPRS: 36,599]
SUB CODE: 06 / SUBM DATE: 19Jun65 / ORIG REF: 012 / OTH REF: 014
Card 1/1 ell

EGLI, Antal

"Conversation on nervous men" by Istvan Benedek. Reviewed by Antal
Egli. Elovilag 8 no.4:63 Jl-Ag '63.

COUNTRY	: Yugoslavia	H-34
ABG. JOUR.	: RZKhim., No. 21 1959, No.	77074
AUTHOR	: Egli, H.	
INST.	: Not given	
TITLE	: A New Process for the Dyeing of Fabrics Produced from Polyamide Fibers Assuring Uniformity of the Color	
ORIG. PUB.	: Tekstil, 8, No 1, 39-41 (1959)	
ABSTRACT	: In order to assure the even dyeing of articles made of polyamide fibers when acid or mordant-acid dyes are used, 0.5-3 gms/liter of levelling surface-active preparations, Rezolin NCP or Liogen P, are added to the dye bath. Z. Lebedeva	

CARD: 1/1

329

OGRORODNIKOV , Georg Stepanovich; BAEGLE, K.[translator];
EGLIS, B., red.

[Boiler units for central heating and their operation]
Centralas apkures katlu iekartas un to ekspluatacija.
2., papildinatais izdevums. Riga, Latvijas Valsts izd-
ba, 1964. 166 p. [In Latvian] (MIRA 18:1)

AGAFONOVS, Ivan Matveyevich; BRIVERE, A.[translator]; EGLIS, D.,
red.

[Chemistry of miraculous fibers] Brīnumskiedru kimija.
Riga, Latvijas Valsts izd-ja, 1964. 102 p. [In Latvian]
(MIRA 18:1)

EGLIT, A.

AUTHOR: Eglit, A., Pilot-Instructor, DOSAAF Committee for Latvian SSR 85-8-9/18

TITLE: They Spread Knowledge of Aviation among the Masses of the Young (Oni nesut v massy molodezhi aviatsionnyye znaniya)

PERIODICAL: Kryl'ya Rodiny, 1957, Nr 8, p. 16 (USSR)

ABSTRACT: The author describes the setup of the training of the voluntary instructors in aviation sports in the Latvian SSR, and stresses the importance of the role of these instructors, who, as heads of sports circles attached to the primary DOSAAF organizations, are charged with spurring the interest of the masses for the aviation. As far as exact sciences are concerned, the article contains no data of any value. Voluntary instructors in aircraft model building are training in Latvia at the special courses established since 1954 at the Riga Aircraft Model Building Laboratory (duration: 6 to 10 days). Moreover, professional DOSAAF instructors are sent all over the Latvian Republic to train voluntary instructors on the

Card 1/2

They Spread Knowledge of Aviation among the Masses (Cont.) 85-8-9/18

spot. The training of voluntary instructors in gliding sport, which training has long been hampered by the lack of necessary material is now being successfully developed under the auspices of the newly organized Riga Club of Sportsmen-Aviators (Aviastportklub). The article offers no information on the training of voluntary instructors in parachutism, the number of which appears, however, to be quite sufficient.

AVAILABLE: Library of Congress

Card 2/2

ACCESSION NR: AR4042224

S/0124/64/000/006/A020/A020

SOURCE: Ref. zh. Mekhanika, Abs. 6A117

AUTHOR: Eglit, A. A.

TITLE: Forced oscillations of nonlinear system with dry friction

CITED SOURCE: Sb. Vopr. dinamiki i prochnosti. Vy*p. 10. Riga, AN LatvSSR, 1963, 273-279

TOPIC TAGS: nonlinear system, forced oscillation, dry friction, Coulomb friction, hysteresis loop

TRANSLATION: The consideration of a one-mass system with a nonlinear elastic characteristic, forming a closed polygonal loop. With such a hysteresis loop are systems on which there acts the force of Coulomb friction (bolted-on and splined connections under cyclical load, connections with cotter pins, elastic connector pieces and others). A solution of the problem of forced

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ACCESSION NR: AR4042224

oscillations of such systems is given; it gives one variant of the method of equivalent linearization. It is assumed that the oscillation occur with frequency equal to frequency of excitation force, with steady amplitude and w'thout stops. Influence of forces of viscous resistance is not considered. Shows that presence of forces of Coulomb friction leads to narrowing of zone of resonance. However, resonance amplitudes were unlimited, as in the case of a linear system with Coulomb friction.

SUB CODE: MA, EM

ENCL: 00

Card d 2/2

"APPROVED FOR RELEASE: 08/22/2000

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APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412010015-7"

LABORSKIY, K.P. (Moskva); ROZENTAL', A.L. (Moskva). EGLIT, A. Kh. (Moskva)

Natural gas in reduction reactions of iron ores in a fluidized bed. Izv. AN. SSSR. Otd. tekhn. nauk. Met. i topl. no.2:13-19
Mr-Ap '61. (MIRA 14:4)

(Iron--Metallurgy) (Fluidization)
(Gas, Natural)

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APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412010015-7"

Journal of Polymer Science: Part A: Polymer Chemistry, v. 5, no. 5, 1967, 351-70.

Alkane, radiolysis, liquid phase, temperature relation.

The temperature relation of the radiolytic rate of alkanes in the liquid phase.

L 62082-65

ACCESSION NR: AP5016839

for the yield of lower saturated and unsaturated hydrocarbons are determined. They
are also determined the temperature dependence of the reaction rate and the oxygenated
products formed.

1. ANALYSIS OF THE REACTION
OF PROPENE AND PROPENE AN

G

OTHER: -

EGLIT, I.M.

POLETAYEV, A.F., kandidat tekhnicheskikh nauk; EGLIT, I.M., inzhener.

Apparatus designed by the Moscow Automotive Engineering Institute
for testing tractors in the field. Nauch.trudy MAMI no.6:8-43 '56.
(Tractors--Testing) (MLRA 10:2)

KORENIK, V.S., kand. tekhn. nauk; EGLIT, I.M., inzh.

Universal SIMS stand for testing tractor clutches. Izv.
vys. ucheb. zav.; mashinostr. no.10:104-112 '63.
(MIRA 17:3)

1. Moskovskiy avtomekhanicheskiy institut.

BRYUKHOVETS, D.F., kand. tekhn. nauk; EGLIT, I.M., inzh.

Device for testing tractor transmissions. Trakt. i sel'khoz-mash. 33 no.10:19-21 0 '63.
(MIRA 17:1)

1. Moskovskiy avtomekhanicheskiy institut.

MAYBORODA, V.I.; SOLOV'YEVA, G.I.; EGLIT, L.V.; PODIMAN, I.V.; SHILOVA, G.I.;
ZARINA, E.Ya.; CHAMOVA, L.P.; FILICHEVA, T.B.

Highly dispersed pigments for stock dyeing of viscose fibers. Khim.
volok. no.3:60-62 '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy iskusstvennogo volokna (for
Mayboroda, Solov'yeva, Eglist). 2. Nauchno-issledovatel'skiy institut
organicheskikh poluproduktov i krasiteley (for Fediman, Shilova).
3. Klinskiy kombinat iskusstvennogo i sinteticheskogo volokna (for Zarina,
Chamova, Filicheva).

109100

112314

67799

S/040/60/024/005/022/028
C111/C222AUTHOR: Eglit, M.E. (Moscow)

TITLE: On Tensor Characteristics of Finite Deformations

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol. 24, No. 5,
pp. 947-950

TEXT: It is shown that for the investigation of finite deformations in elastic-plastic bodies the choice of the tensor which describes the complete deformations as well as the definition of the tensors of the elastic and plastic deformations are of essential importance. It is demanded:

1°. The tensors of the elastic and plastic deformations must be introduced analogously to the tensor of the complete deformations.

2°. These tensors must be introduced independent from each other.

It is stated that the tensors of the complete, elastic and plastic deformations can be introduced so that for their components (related to different bases) it holds

$$(3) \quad (\varepsilon_{ij})^e + (\varepsilon_{ij})^p = \varepsilon_{ij}.$$

This relation, however, cannot be written in a tensorial form since it is
Card 1/3

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S/040/60/024/005/022/028
C111/C222

X

On Tensor Characteristics of Finite Deformations

not satisfied for contravariant and mixed components. But a function θ of the tensor ξ can be given as a deformation characteristic so that it holds

$$(10) \quad \theta^{ij} = (\theta^{ij})^e + (\theta^{ij})^p,$$

where corresponding covariant and mixed relations are not valid. In many cases, the magnitudes $\xi_{\alpha\beta}^e$ and $\theta^{\alpha\beta}$ are especially suitable for a characterizing of the deformations since for their application the laws of elasticity in an elastic-plastic medium get an especially symmetrical form:

$$\frac{1}{\xi} p^{\alpha\beta} = \frac{\partial F}{\partial (\xi_{\alpha\beta})^e}, \quad \frac{1}{\xi} p_{\alpha\beta} = \frac{\partial F}{\partial (\theta^{\alpha\beta})^e}.$$

where p are the components of the tension tensor and ξ is the density. By an example (stretching of a cylinder) it is shown that in other

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S/040/60/024/005/022/028
C111/C222

On Tensor Characteristics of Finite Deformations

cases (e.g. influence of the plastic deformation to elastic properties of the medium) the use of other deformation characteristics is more convenient and more distinct. The question of the dependence of the elastic laws on the plastic deformations is combined not only with the physical process in the medium but also with the choice of the deformation characteristics.

The author thanks L.I.Sedov for discussions.

SUBMITTED: June 7, 1960

Card 3/3

244200 (1103,1327)

S/020/62/142/001/008/021
B104/B102

AUTHORS: Sedov, L. I., Academician, and Eglit, M. E.

TITLE: The design of nonholonomic models of continua with allowance for the finiteness of the deformations and for some physicomechanical effects

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 142, no. 1, 1962; 54-57

TEXT: Models of a continuum are developed within the nonlinear theory of finite deformations. These models permit the investigation of the liberation and absorption of heat during the deformation of a body, of the effect of temperature on the mechanical properties of bodies, etc. The states of small elements and the corresponding thermodynamic functions in this model are described by the tensor ε_{ij} of the finite deformations, by the temperature T, by $\chi(f^1, t)$, f^1 being cyclic coordinates, and by the stress tensor $\sigma^{ij} = p^{if}/q$. After formulating the first and second laws of thermodynamics, the nonholonomic relation

Card 1/3

$$d\sigma^{ij} = A^{ij}dx + B^{ij}dT + A^{ijab}de_{ab}, \quad (11)$$

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S/020/62/142/001/008/021
B104/B102

The design of nonholonomic...

is set up, where $d\lambda$, dT , and $d\varepsilon_{\alpha\beta}$ are assumed to be linearly independent of one another, and where the tensor components B^{ij} and A^{ij} are functions of the above-mentioned four parameters. The generalizations of the equations of state of the common theory of elasticity

$$\frac{\partial F}{\partial \varepsilon_{\alpha\beta}} A^{\alpha\beta} + \frac{\partial F}{\partial \varepsilon_{\alpha\beta}} - \sigma^{\alpha\beta} = 0 \quad (\alpha, \beta = 1, 2, 3); \quad (12)-(13)$$

$$\frac{\partial F}{\partial T} B^{ij} + \frac{\partial F}{\partial T} + S = 0$$

✓

and of the kinetic equation

$$\frac{\partial F}{\partial \chi} + \frac{\partial F}{\partial \varepsilon^{ij}} A^{ij} = -\nu \frac{d\chi}{dt}. \quad (14)$$

for determining χ are set up. S and F are the entropy and free energy per unit of mass. The equation of the second law of thermodynamics, the relations (11) and (14), the dynamic equations, the deformation tensor, and the equation of continuity form a closed system of equations describing the

Card 2/3

32812

S/020/62/142/001/008/021
B104/B102

The design of nonholonomic ...

mechanical, thermal, and physical processes for continua. The system differs from those obtained by other authors in that the laws of thermodynamics and the free energy are allowed for. Finally, an isotropic body is investigated in short. There are 8 references: 2 Soviet and 6 non-Soviet. The three references to English-language publications read as follows: C. Truesdell, J. Rat. Mech. Analysis, 4, 83 (1955); W. Noll, J. Rat. Mech. Analysis, 4, 3 (1955); Bernstein Barry, Arch. Ration. Mech. Analysis, 6, no. 2, 89 (1960).

SUBMITTED: December 12, 1961

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Card 3/3

EGLIT, N. Ya.: Master Med Sci (diss) -- "The effectiveness of using therapeutic gymnastics in a complex of therapeutic measures in diseases of the respiratory organs in the clinical treatment of internal diseases". Khar'kov, 1958. 12 pp (Khar'kov Med Inst), 200 copies (KL, No 13, 1959, 113)

EGLIT, N.Ya.

Use of exercise therapy in diseases of the respiratory organs at
a clinic for internal diseases. Vop. kur., fizioter. i lech. fiz.
kul't. 24 no.6:539-546 N-D '59. (MLA 15:1)

1. Iz kafedry fizicheskogo vospitaniya i vrachebnoy fizkul'tury
(zav. - dotsent A. G. Essi-Zeing) i kafedry propedevtiki, fakul'tetskoy
i gospital'noy terapii pediatricheskogo i sanitarno-gigiyenicheskogo
fakul'tetov (zav. - prof. L.T. Malaya) Khar'kovskogo meditsinskogo
instituta (dir. - dotsent I.F. Konenko).
(EXERCISE THERAPY) (RESPIRATORY ORGANS...DISEASES)

14-1-112

Translation from: Referativnyy Zhurnal, Geografiya, 1957, Nr 1, p. 11 (USSR)

AUTHORS: Aleksandrova, Yu.Ya, Bocharova, Ye.P., Knorozova, V.N.
Leytgammel", Ye.E. Sviridov, A.Ye., Sokolova, N.A. and
Eglit, V.I.

TITLE: Experimental and Practical Work of the MOSMT (Opytno-
proizvodstvennaya rabota MOSMT)

PERIODICAL: IN: Opyt stereotopogr. s"yemki, Moscow, Geodezizdat, 1956, pp. 5-15

ABSTRACT: Brief description of field location; description of aerial, field
and office work in stereotopographic surveying on a scale 1:5,000
for compiling topographic plans of coal basins.

Card 1/1

EGLT, VI.

PAGE 1 DOES NOT CONTAIN
REF ID: A4-1

REF ID: A4-1

Akademya nauch soveta. Laboratoriia seismicheskoy

trudy, v. 7; Materialy VII Vsesoyuznoi nauchno-issledovatel'skoi konferentsii po aerofotogrammetrii, k. 25, laboratoriia No. 5. (Transactions of the Laboratory of Aerial Methods, Academy of Sciences USSR, v. 7, Materials of the All-Soviet Interdepartmental Conference on Aerial Surveying) Moscow, 1959.

511 p., 1,400 copies printed.

Promtso: This collection of articles is intended for photogrammetricians. The articles will be of interest to all government and industrial agencies concerned with aerial photography.

Comments: This is the first volume of a 2-volume work containing reports read at the All-Union Conference on Photogrammetry which took place in Leningrad from November 22 to December 1, 1956, under the auspices of the Laboratory of Aerial Photography Methods of the Academy of Sciences USSR. These reports describe the principles and applications of photo interpretation in the fields of soil science, forestry, hydrology, industrial development, etc.

Individual reports discuss the equipment used and techniques employed. References concerning each article.

Postscript: I.A. [Bogolyubov - Institute Institute of Geodesy, metrology, and Cartographic Mathematics] and Cartographic Mathematics], Postscript: I.A. [Bogolyubov - Institute of Aerial Photography, Use of Mathematics in Aerial Photography]

Postscript: I.A. [Bogolyubov - Institute Institute of Aerial Photography, Use of Mathematics in Aerial Photography]

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Postscript: I.A. [Bogolyubov - Institute Institute of Aerial Photography, Use of Mathematics in Aerial Photography]

BELIKOV, Yevgeniy Fedorovich, dotsent; VORONIN, Viktor Aleksandrovich, inzh.; GLOTOV, Georgiy Fedorovich, dotsent; ZLENKOV, Yuriy Vladimirovich, inzh.; IVANOV, Leonid Fedorovich, inzh.; KORENEV, Gleb Sargyevich, inzh. [deceased]; MASLENNIKOV, Anatoliy Stepanovich, inzh.; SIROTKIN, Mikhail Pavlovich, dotsent; ULITIN, Andrey Il'ich, inzh.; URUSOV, Nikita Jur'yevich, inzh.; YLOROVSKIY, Yuriy Sergeyevich, inzh.; SHAKHIDZHANYAN, Grand Aleksandrovich, inzh.; EGLIT, Vitaliy Ivanovich, inzh.; VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Guidebook on principles of engineering geodesy used in planning and building hydroelectric power stations] Spravochnoe rukovodstvo po inzhenerno-geodesicheskim izyskaniam pri proektirovani i stroytel'stve gidroelektrostantsii. Pod obshchei red. E.F.Belikova. Moskva, Izd-vo geodes.lit-ry, 1960. 447 p. (MIRA 13:11)
(Hydroelectric power stations) (Geodesy)

EGLIT, Vitaliy Ivanovich; Sidel'NIKOV, Sergey Petrovich; YELISEYEV,
S.V., red.; KOMAR'KOVA, L.M., red.izd-va; ROMANOVA, V.V.,
tekhn. red.

[Redta 002 reducing tachymeter; description of the instrument
and practical guide on its use, checks, and corrections] Re-
duktsionnyi takheometr Redta 002; opisanie instrumenta i pra-
kticheskoe rukovodstvo po primeneniiu, poverkam i iustirov-
kam. Moskva, Gosgeotekhizdat, 1963. 87 p. (MIRA 16:7)
(Germany, East—Tachymeter)

EGLIT, Viktor Ivanovich; SHEMANOVA, A.N., red.; YAKHONTOVA, T.D.,
tekhn. red.

[Tolerances in precast concrete construction] Dopuski v
konstruktsiiakh iz sbornogo zhelezobetona. Moskva, Gos-
stroizdat, 1963. 93 p. (MIRA 17:1)

1. NAME OF WORKER: Aglit, Yu. Ya.

2. NUMBER: AT5304755

3. DATE: 1982/11/1

4. AUTHOR: Aglit, Yu. Ya.

5. TITLE: Suppression of explosions in enclosed spaces

6. SUBTITLE: Esentail'nyy nauchno-issledovatel'skiy institut pozharnoy

7. SUBJECT: Explosion, explosion detection, fire extinguisher, flame extinction,

8. ABSTRACT: A detailed analytic study was made to determine methods of preventing explosion in closed containers, especially those used in transportation vehicles such as trucks, airplanes, etc. A system of protection against explosion considered by far the best method available. It consists of an explosion detector, a feeding system, and an electric circuit. Use is made of the fact that at the initial stages an explosion proceeds relatively slowly (first 16 sec). A detector, such as an inertial system sensitive to pressure changes or a system sensitive to spark ionization, is used to trigger a fire extinguisher if liquid after the pressure level in the tank exceeds the safety limit. An expression is

11001168

ANALYST NR: AT5004755

...as a result of a spherical explosive front, and a detailed analysis is
...in progress. The results will be available in the next few days.
...the following information is available:
...the date of the explosion is estimated to be 1964-07-22.
...the location of the explosion is estimated to be at approximately 30°N 105°E.

SUBMITTED: 22Jul64

ENCL: 00

SUB CODE: TD

NO REF Sov: 002

OTH: 005

Card: 2/2

EGLIT^o, A. [K.]

Eglite, A. "The use of certain chemicals in forestry in the struggle with weeds and in the mineralization of the soil," Izvestiya Akad. nauk Latv. SSR, 1949, No.2, p. 31-52, (In Latvian, resume in Russian), - Bibliog: 16 items

SO: U-4934, 29 Oct 53, (Letopis 'Zhurn. l 'nykh Statey, No. 16, 1949).

1. EGLITE, A.^[K.]
2. USSR (600)
4. Herbicides
7. Use of herbicides in controlling seed-bearing weeds in conifer nurseries.
Latv. PSR Zin. Akad. Vestis 2, 1951

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

1. EGLITE, A. [K]
2. USSR (600)
4. Herbicides
7. Use of herbicides for control of perennial weeds in forestry.
Latv. PSR Zin. Akad. Vestis 4, 1951

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

EGLITE, A. (K.)

Flight against tree and brush scrub by using herbicides.
A. Egliite, Kolkhoznik Sovet, Latvij 1934, No. 4, 12;
Referat Zhur., Khimi, 1955, No. 2427.—Spraying with 2,4-D
and 2-methyl-4-chlorophenoxyacetic acid were effective
against growths of willow, birch, and black and speckled
alder; but less so against aspen, alder-buckthorn, buck-
thorn, and barberry. One sq. m. of scrub required 100-
300 ml. of 0.2-0.3% soln. of the herbicide which is 4-5 kg./
ha. Best time for spraying was June or July. At temps.
below 15° the effect of herbicide was greatly reduced. If
rain came within 24 hrs. after spraying, the spray had to be
repeated. M. Hossch

Chmrd 1

EGLITE ALK

U S S R .

Use of maleic hydrazide as herbicide. E. Dukkis and A. Egliste. *Latvijas PSR Zinātņu Akad. Viestix 1954, No. 11* (Volume No. 39), 57-61 (in Russian; Latvian summary, 62). -1,5-Dihydro-3,6-pyridazine-dione (maleic hydrazide) was active as herbicide on all weeds and plants tested. At low concns., it arrested the growth temporarily; at higher concns., chlorosis and death of plants followed. In form of the triethanolamine salt, the compd. is suggested as an effective herbicide in dosage of 1000 l. of 0.5-1% soln. per ha.

Andrew Dravleks

Eg/ET/A

USSR/Weeds and Weed Control. Herbicides.

M

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69499

Author : Eglit, A.

Title : Preparation MG-T, a New Herbicide for Combatting Couch Grass and Beach Grass.

Orig Pub : Kolkhoznik Sov. Latvii, 1956, No 9, 32

Abstract : A check was conducted with positive results on the effectiveness, in combatting couch grass and beach grass, of the preparation MG-T, which is an aqueous solution of the triethanolamine salt of maleinhydrazine and contains 33% of the active principle maleinhydrazide. The optimal dose is 30 kg/hectare to combat couch grass and 60 kg/hectare to combat beach grass. The weeds are sprinkled for 8 to 15 days before the sowing of cultivated plants. On sown fields, MG-T may be used only before the appearance of sprouts of the cultivated plants.

Card 1/1

USSR/Weeds and Their Control.

N

Abs Jour: Ref Zhur-Biologiya, No 5, 1958, 20636.

Author : A. Eglite

Inst : Not given.

Title : The Application of MG-T Preparation for Couch and Beach
Grass Control.
(Primeneniye preparata MG-T v bor'be s pyreyem i veynikom).

Orig Pub: Latv. PSR zinatpu Akad. vestis, Izv. AN LatvSSR, 1956,
No 11, 87-94.

Abstract: The MG-T preparation (a triethanolamine salt of
maleinhydrazide, containing 33% hydrazine maleic acid),
manufactured by the Riga Chemical Combine yields fine
results in the control of couch and beach grasses and
yarrow. When sprayed with this, fields, heavily choked
with couch grass, yielded green stuff from grains at an

Card : 1/3

USSR/Weeds and Their Control.

N

Abs Jour: Ref Zhur-Biologiya, No 5, 1958, 20636.

increase of 45-100% in the harvest, raising the grain output about 5 centners per 1 hectare and more. The best results were obtained from spraying the MH-T preparation in a dosage of 30 kilograms per hectare of couch grass which appears in spring or autumn after tilling, when the length of the shoots reaches 10-20 cm. Spraying beach grass (*Calamagrostis epigeios*) in cleared areas with MG-T preparation in doses of 60 kilograms per hectare, working the soil subsequently, may protect forest cultures from beach grass choking over a stretch of two vegetative periods. It is sprayed in the springtime when the beach grass is 15-30 cm high, or in September. One adds to the MG-T preparation solution 0.1-0.2% OP-10 [a duster] or 0.1% laundry soap. In order to be sure the MG-T preparation is adequately effective on the couch

Card : 2/3

USSR/Weeds and Their Control.

N

Abs Jour: Ref Zhur-Biologiya, No 5, 1958, 20636.

and beach grasses, it is necessary to replow or till over the soil about 4-30 days after having sprayed. Afterwards, cultivated plants can be planted, inasmuch as the MG-T remaining in the soil shows no ill effects on them.

Card : 3/3

AUTHOR:
TITLE:

EGLITE,A., ZILE,M.
Destruction of Shrubs with the Aid of Sodium Salts 2,4-D and 2,4,5-T.
(Bor'ba s kustarnikami pri pomoshchi natriyevykh soley 2,4-D i 2,4,5-T,
(Russian)

PERIODICAL: Latvijas PSR Zinatnu Akad. Vestis, 1957, Vol 1, Nr 3 (116), pp 69 - 76
(U.S.S.R.)

Received: 5 / 1957

Reviewed: 6 / 1957

ABSTRACT:

By spraying gray and black alders, birch trees, hazelnut bushes, and willow trees most common in the Latvian SSR with an aqueous solution of the sodium salt 2,4-D these trees can be destroyed. (*Salix triandra*, *S.pentandra*, *S.nigricans*, *S.rosmarinifolia*, *S.myrtilloides*, *S.fragilis*, *S.aurita*, *S.caprea*, *S.cinerea*). After one single treatment 70 - 100 % of the trunks perish. By means of a second spraying during the following period of vegetation of the plants still alive, complete destruction of the remaining plants including the roots can be achieved. For destruction of bushes not taller than 2 meters 2 - 3 kg/ha are needed in the case of alders and birch trees and 3 - 4 kg/ha in the case of willow trees; on the occasion of the second spraying 1 - 2 kg/ha of sodium salt 2,4-D (technical product) are required. In the case of taller bushes the dose must be increased. Spraying must be carried out in June, when the leaves are fully developed or in the first half of July, when the weather is dry, warm and as quiet as possible. There must be no spraying at temperatures below 15°C. If the chemicals are evenly

Card 1/3

PA - 2778

Destruction of Shrubs with the Aid of Sodium Salts 2,4-D and
2,4,5-T.

distributed on the surface of the plants, the chemical dose determines the effects of the herbicide. If a hand-operated spraying device or one operated by horses or tractors is employed, an even distribution of the liquid can be achieved with a consumption of 500 - 1000 l/ha according to the construction of the apparatus. For this reason 0,3 - 0,7% of 2,4-D solutions are prepared. In the case of spraying from aeroplanes a 2% solution is usually used.

The sodium salt 2,4,5-T has about the same effect as sodium salt 2,4-D on birch trees and willow trees, but less effect on alders.

If a certain amount of OP-10, a substance acting on the surface, is added to the solution, the efficiency of the sodium salts 2,4-D and 2,4,5-T is improved.

In forests composed of firs and ashes the sodium salt 2,4-D can be used for the destruction of alders, birch trees, and willow trees. In the case of pine trees the sodium salt 2,4-D should be applied for the destruction of foliage trees only in August, and the dose should not exceed 1,5 kg/ha. No OP-10 should be added to the solution because of the damage that would be done to pine trees.

Card 2/3

Destruction of Shrubs with the Aid of Sodium Salts 2,4-D and
2,4,5-T. PA - 2778

The employment of these chemicals for the destruction of shrubs saves
a great deal of labor and expenses.
(4 tables, 2 illustrations and 3 citations from Slav publications)

ASSOCIATION: Not given

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

Card 3/3

EGLITE, A. ; RUSH, M.

Afforestation of heather moorland. p. 85.

BIOLOGIJKAIĀ NAUKA; ZINĀTNU I. ĪSTĀJĀKĀM KĪMĀLĀSTĪBĀ. (Latvijas PSR
Zinātņu akademija. Bioloģijas zinatņu nodala) Riga, Latvia, №. 3, 1957.

Monthly list of East European Accessions (EEAI), IC, Vol. 8, №. 8,
August 1959.
Uncla.

ZELITE, A.

Method of extermination of objectionable tree-bush vegetation by the help of sodium salt 2, 4-D. p. 123.

BIOLOGICHESKAIA NAUKA; SELSKOMU I LIVSOMU KHOZIAISTVU. (Latvijas PSR Zinatnu akademija. Biologijas zinatnu nodala) Riga, Latvia, No. 3, 1957.

Monthly list of East European Accessions (EEAI), LS, Vol. 8, No. 8,
August 1959.
Uncla.

ECLITE, A.

New method of fighting couch grass and beach grass with the preparation MC-T.
p. 127.

BIOLOGICHESKAIA NAUKA; SELSKOMU I LESNOMU KHOZIAISTVU. (Latvijas PSR
Zinatnu akademija. Biologijas zinatnu nodala) Riga, Latvia, No. 3, 1957.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Unclu.

USSR/Weeds and Their Control.

N.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 68465

Author : Eglite, A.

Inst : Institute of Forest Management Problems, Academy of Sciences Latvia,

Title : Using 2,4-D Herbicide to Kill Brush

Orig Pub : Kolkhoznik Sov. Latvii, 1957, No 4, 29.

Abstract : Alder and birch brush should be sprayed with 2,4-D, in a dosage of 2-3 kilograms/hectare, when it has reached a height of two meters; osier should be sprayed with a dose of 3-4 kilograms/hectare. For repeat sprayings 1-2 kilograms/hectare of 2,4-D is sufficient. The spraying should be done in June or the early part of July in warm, dry, calm weather when the temperature is higher than 15 degrees. Cattle may be pastured 2-3 days after spraying.

Card 1/2

USSR/Weeds and Their Control.

N.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 68465

The experiments were conducted in the Institute of Forest
Management Problems of the Latvian Academy of Sciences.
-- L.D. Stonov

Card 2/2

- 6 -

EGLITE, A.K. (Eglyte, A.K.), kand.sel'skokhozyaystvennykh nauk

Using MU-T herbicide against quack grass. Zashch.rast.ot vred. i
bol. 3 no.6:40-41 N.D '58. (MIRA 11:12)
(Herbicides) (Quack grass)

EGLITE, A.

Mechanization of the chemical fighting of trees and bushes.

P. 19. (PADOMJU LATVIJAS KOLCHOZNIJEKS) (RIGA, LATVIA) Vol. 10, No. 1, Jan. 1958

CC: Monthly Index of East European Agriculture (MIE) LC Vol. 7, No. 5, 1958

EGLITS, A.

Technical conference on the use of weak killers for the control
of undesirable plants in silviculture. Vestis Latv ak no.7:
163-164 '61.

(Herbicides) (Forests and forestry)